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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**PATENT**

In re application of: Popovic et al.

Attorney Docket No.: SMC1P026

Application No.: Not Yet Assigned

Examiner: Unknown

Filed: Herewith

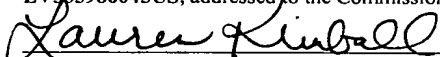
Group: Unknown

Title: ECHO CANCELLATION/SUPPRESSION  
AND DOUBLE-TALK DETECTION IN  
COMMUNICATION PATHS

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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on January 26, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV33986045US, addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

  
Lauren Kimball

**INFORMATION DISCLOSURE STATEMENT WITH STATEMENT**  
**UNDER 37 CFR §§1.56 AND 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:


The references listed in the attached PTO Form 1449, copies of which are enclosed, may be material to the examination of the above-identified patent application. These references were cited in a corresponding UK application. A copy of the UK Search Report (search performed on September 12, 2003) is enclosed herewith as well. These references are submitted in compliance with the applicant's duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. Accordingly, the Examiner is requested to make these citations official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is

believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. SMC1P026).

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read 'C. Douglass Thomas', is written over the printed name.

C. Douglass Thomas  
Registration No. 32,947

P.O. Box 778  
Berkeley, CA 94704-0778  
650-961-8300

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	<b>Atty Docket No.</b>	SMC1P026
	<b>Application No.:</b>	Not Yet Assigned
	<b>Applicant</b>	Popovic et al.
	<b>Filing Date</b>	January 26, 2004
	<b>Group</b>	Not Yet Assigned

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A.	3,991,287	11/1976	May, Jr. et al.			
	B.	4,243,959	01/1981	Duttweiler			
	C.	6,282,176 B1	08/2001	Hemkumar			
	D.						
	E.						

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial		Document No.	Publication Date	Country or Patent Office	Class	Sub-Class	Translation	
							Yes	No
	F.	GB 2 348 350 A	09/2000	UK				
	G.	GB 2 367 467 A	04/2002	UK				
	H.							

#### Other Documents

Examiner Initial	No.	Author, Title, Place (e.g. Journal) of Publication, Date
	I.	Gustafsson et al., "COMBINED ACOUSTIC ECHO CONTROL AND NOISE REDUCTIONS FOR HANDS FREE TELEPHONY," Signal Processing, Vol. 64 January 1998, pp. 21-32.
	J.	Martin, "NOISE POWER SPECTRAL DENSITY ESTIMATION BASED ON OPTIMAL SMOOTHING AND MINIMUM STATISTICS," IEEE Transactions on Speech and Audio Processing, Vol. 9, No. 5, July 2001, pp. 504-512.
	K.	
	L.	
<b>Examiner</b>		<b>Date Considered</b>

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.